

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: 4K Set Top Box

Trade Mark: Homatics

Test Model: SX6BHET

FCC ID: 2AOVU-SX6BHET

Environmental Conditions

Temperature:	23.4℃
Relative Humidity:	49%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

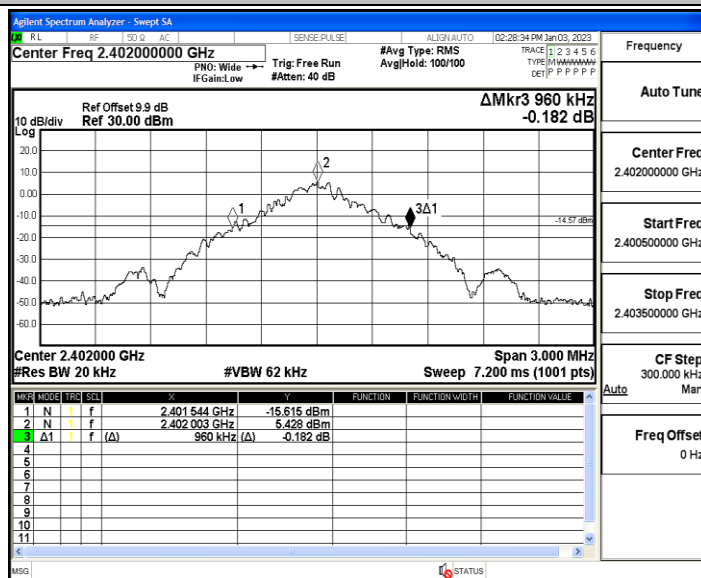
Appendix A: 20dB Emission Bandwidth

Test Result

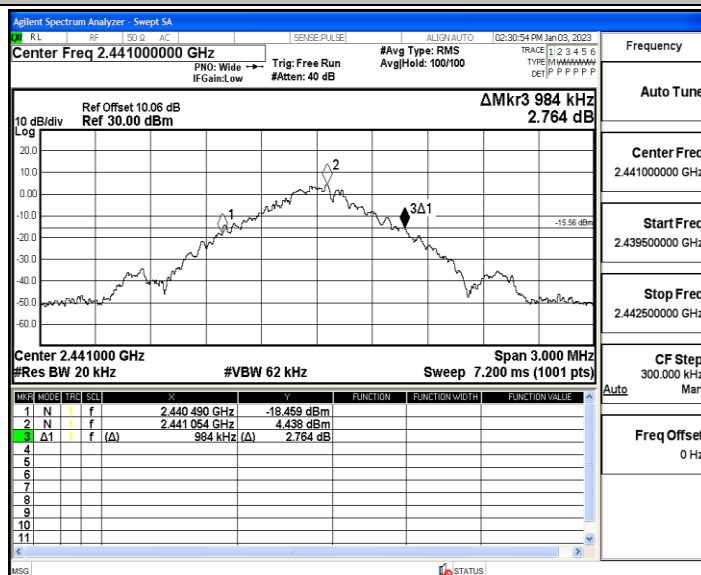
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.544	2402.504	---	---
		2441	0.984	2440.490	2441.474	---	---
		2480	0.966	2479.532	2480.498	---	---
2DH5	Ant1	2402	1.344	2401.337	2402.681	---	---
		2441	1.329	2440.334	2441.663	---	---
		2480	1.344	2479.322	2480.666	---	---
3DH5	Ant1	2402	1.302	2401.352	2402.654	---	---
		2441	1.362	2440.316	2441.678	---	---
		2480	1.356	2479.310	2480.666	---	---

Test Graphs

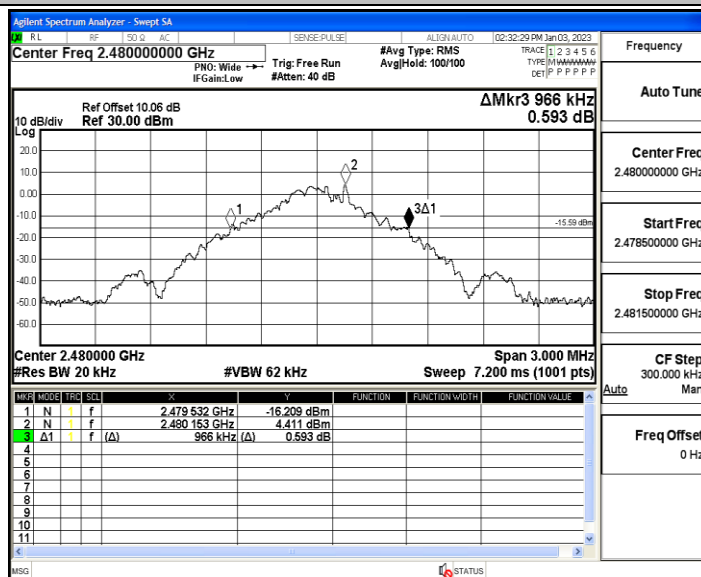
DH5_Ant1_2402



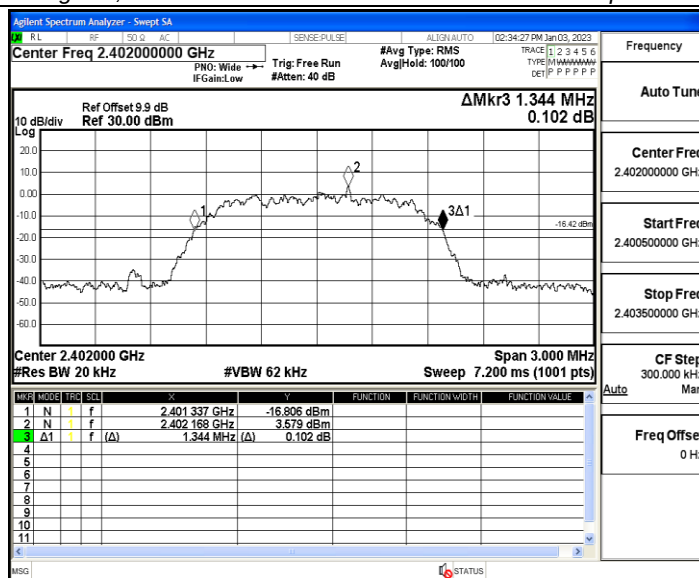
DH5_Ant1_2441



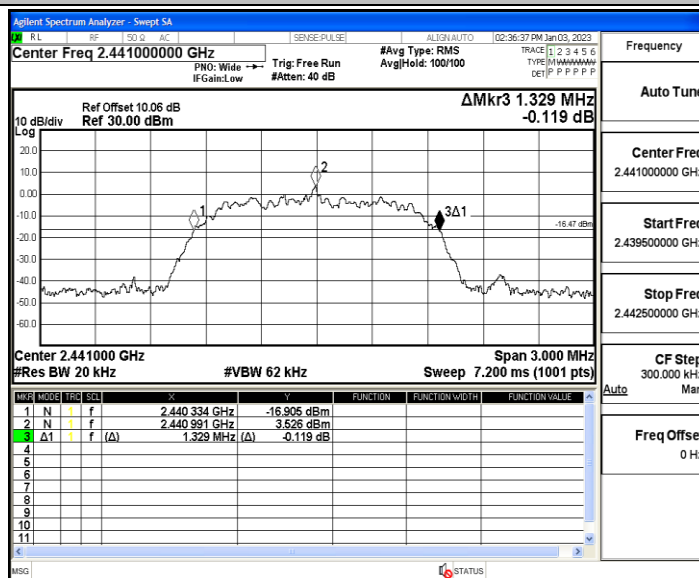
DH5_Ant1_2480



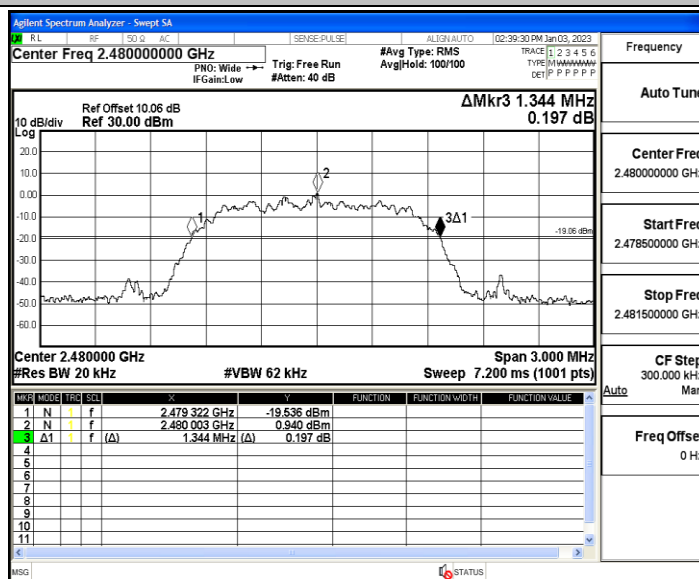
2DH5_Ant1_2402



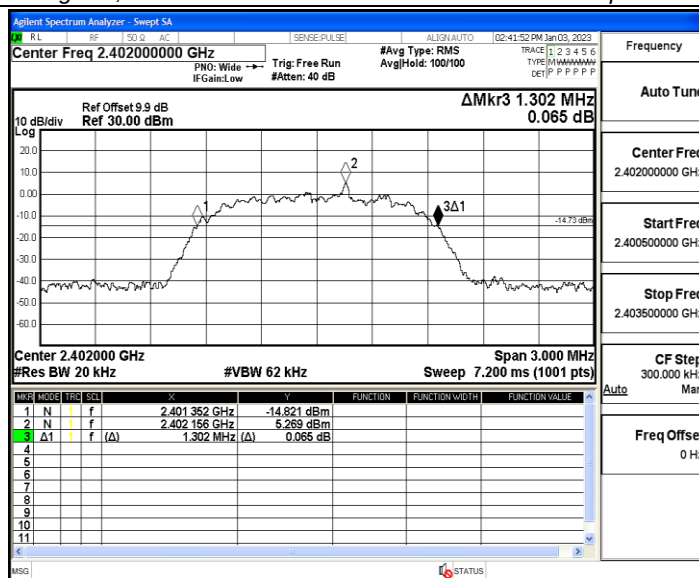
2DH5_Ant1_2441



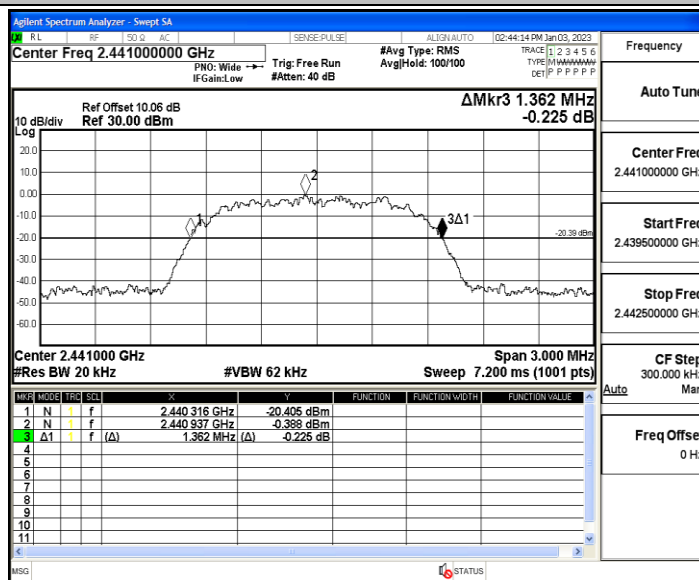
2DH5_Ant1_2480



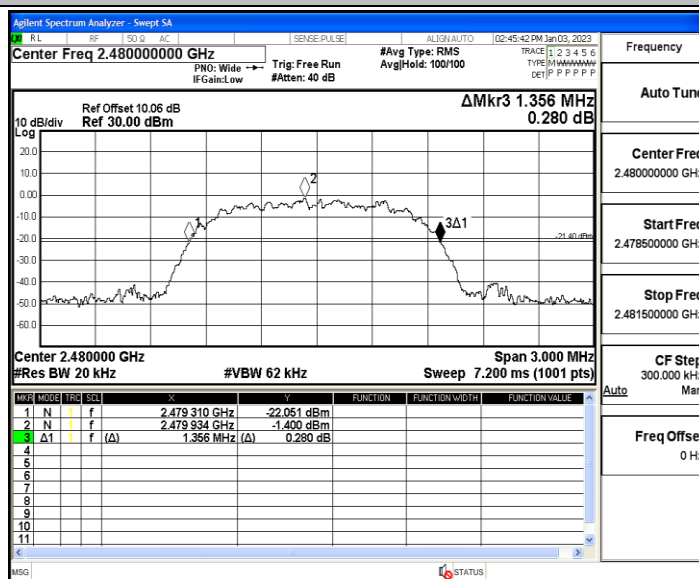
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



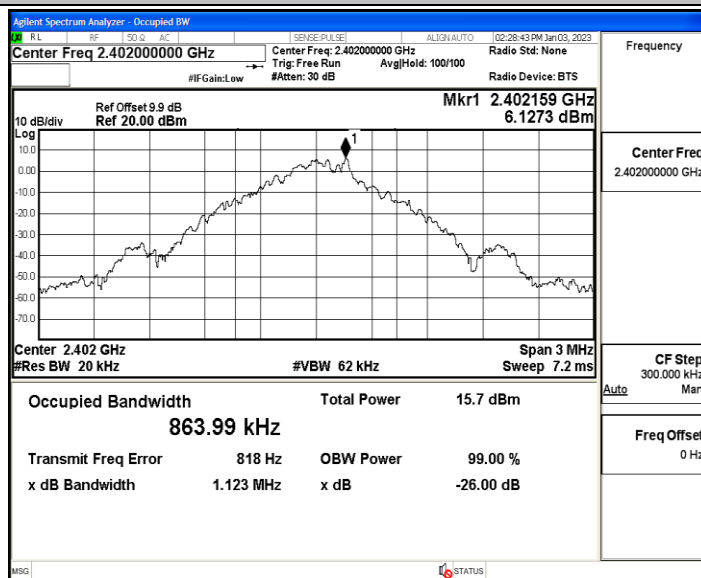
Appendix B: Occupied Channel Bandwidth

Test Result

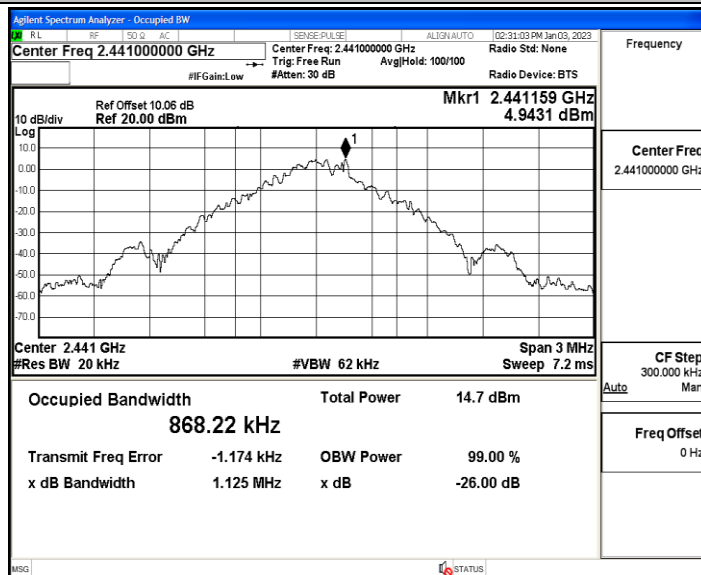
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86399	2401.5688	2402.4328	---	---
		2441	0.86822	2440.5647	2441.4329	---	---
		2480	0.86925	2479.5563	2480.4255	---	---
2DH5	Ant1	2402	1.1952	2401.4049	2402.6001	---	---
		2441	1.2025	2440.3958	2441.5983	---	---
		2480	1.2041	2479.3881	2480.5922	---	---
3DH5	Ant1	2402	1.2077	2401.3914	2402.5991	---	---
		2441	1.2072	2440.3836	2441.5908	---	---
		2480	1.2068	2479.3780	2480.5848	---	---

Test Graphs

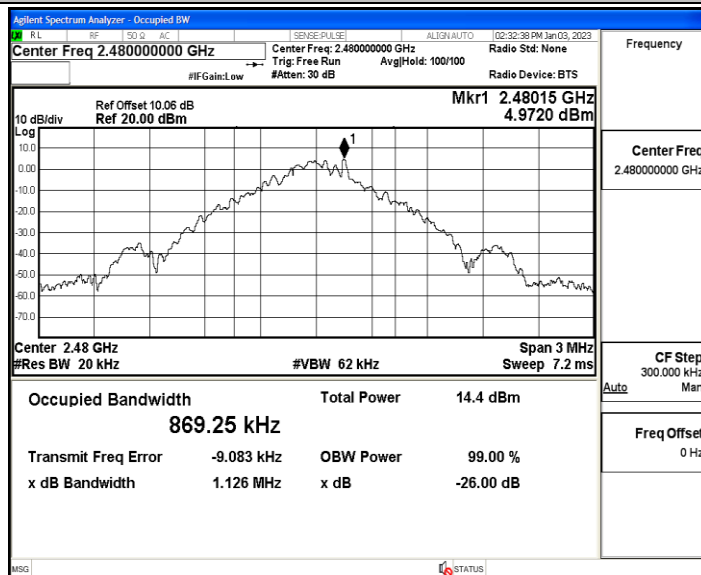
DH5_Ant1_2402



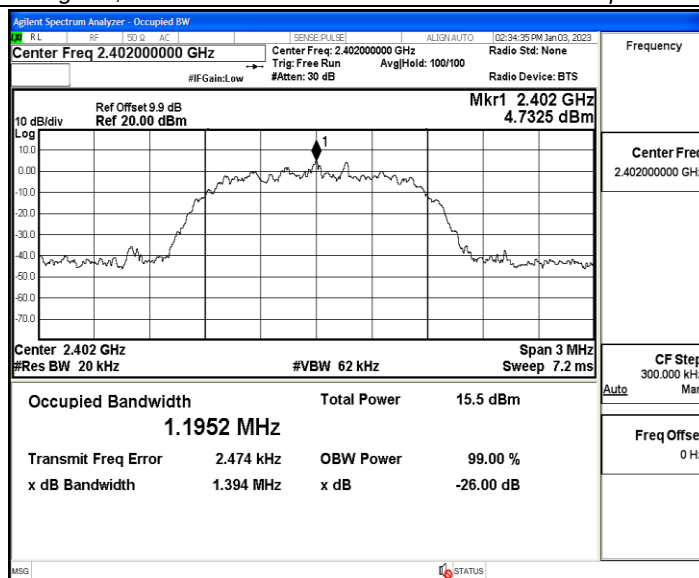
DH5_Ant1_2441



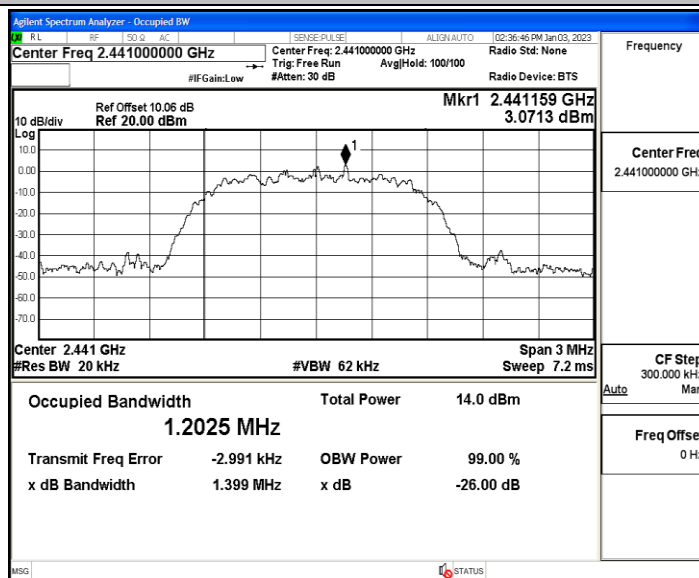
DH5_Ant1_2480



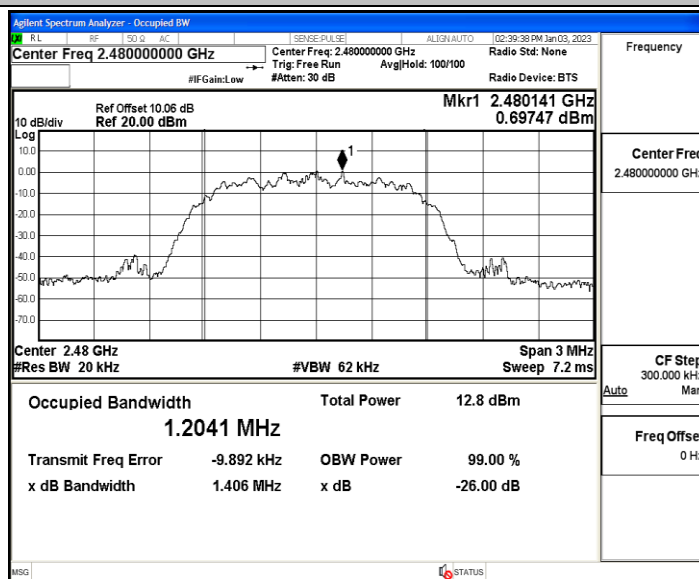
2DH5_Ant1_2402



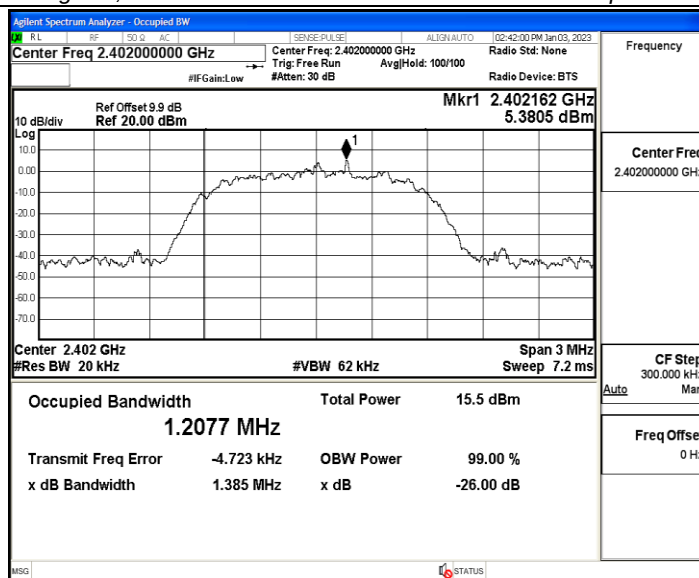
2DH5_Ant1_2441



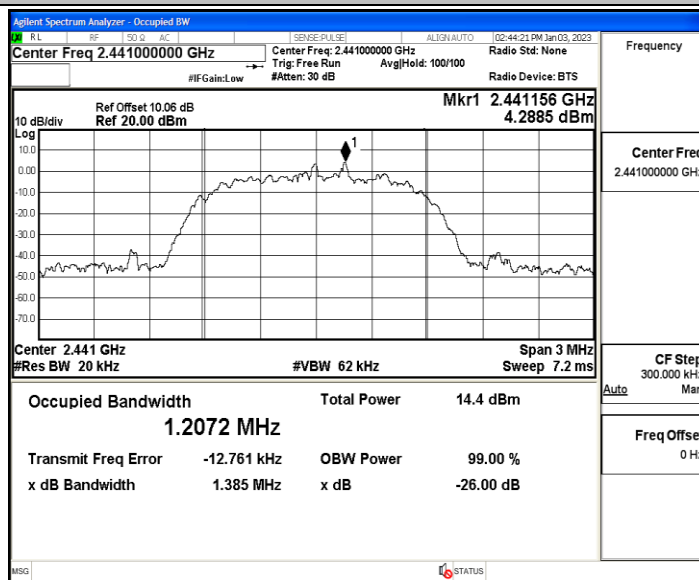
2DH5_Ant1_2480



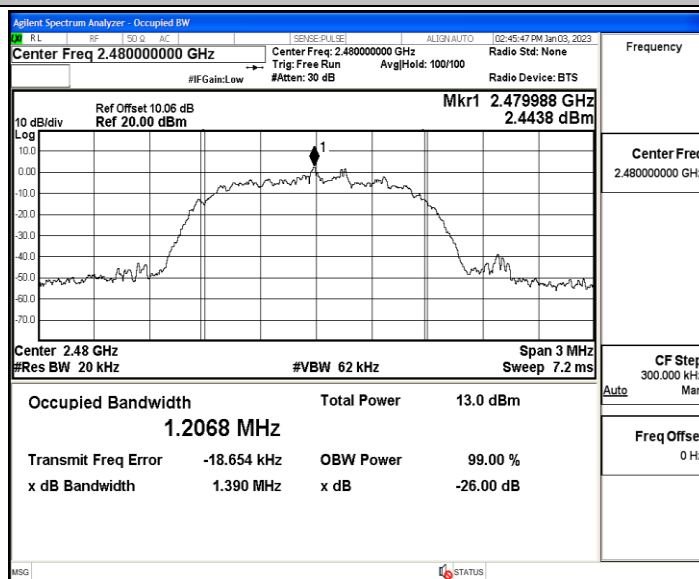
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



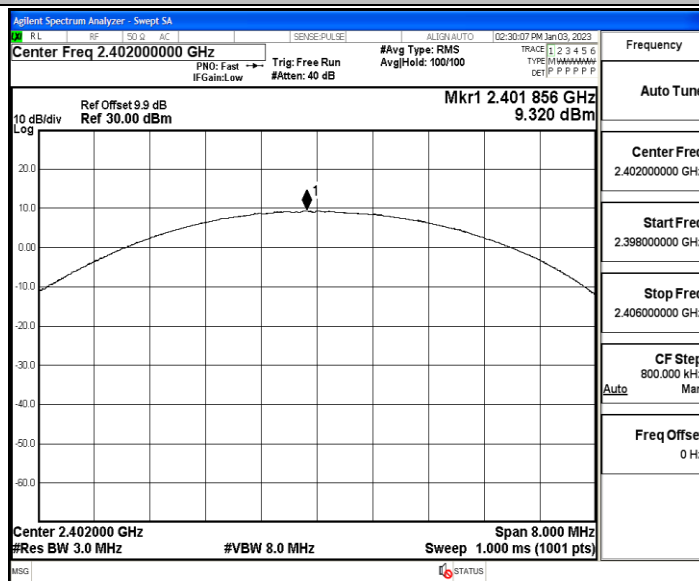
Appendix C: Maximum Peak conducted output power

Test Result

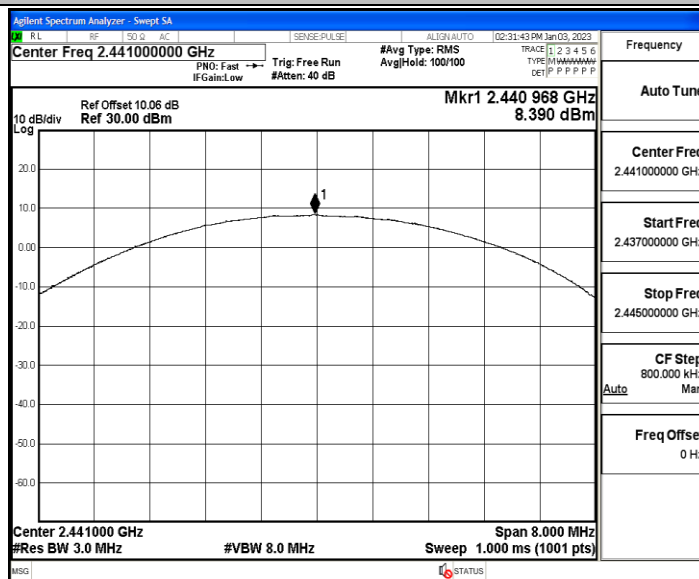
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	9.32	≤30.0	PASS
		2441	8.39	≤30.0	PASS
		2480	7.9	≤30.0	PASS
2DH5	Ant1	2402	10.56	≤20.97	PASS
		2441	9.42	≤20.97	PASS
		2480	8.22	≤20.97	PASS
3DH5	Ant1	2402	11.02	≤20.97	PASS
		2441	9.87	≤20.97	PASS
		2480	8.76	≤20.97	PASS

Test Graphs

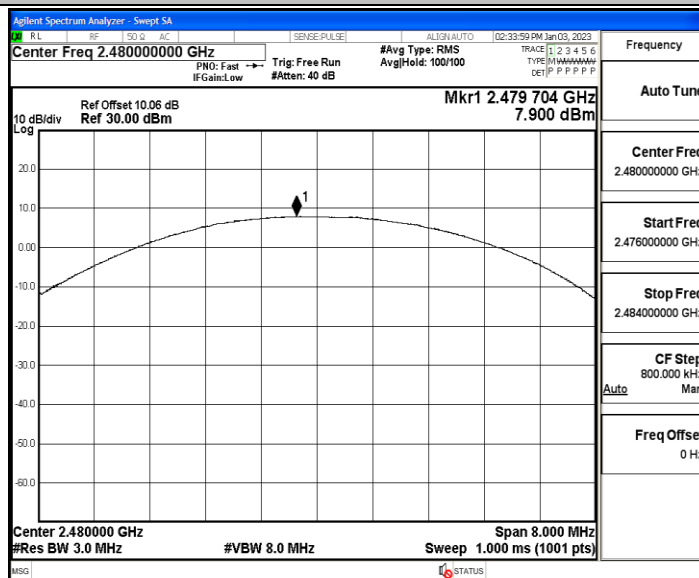
DH5_Ant1_2402



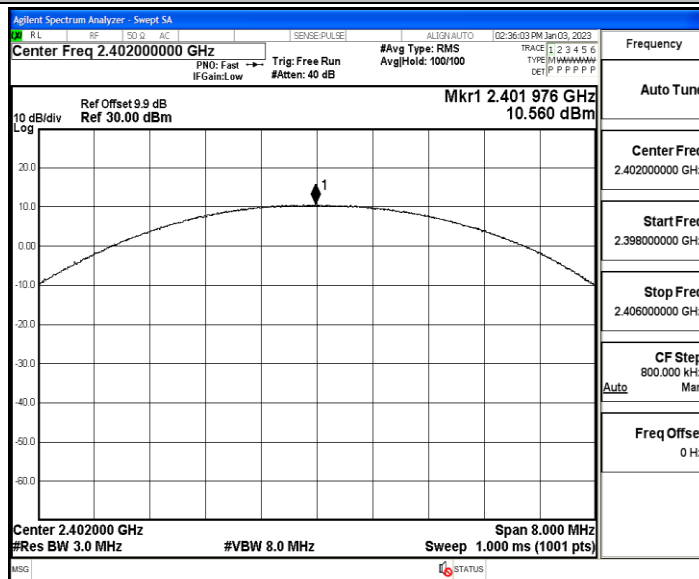
DH5_Ant1_2441



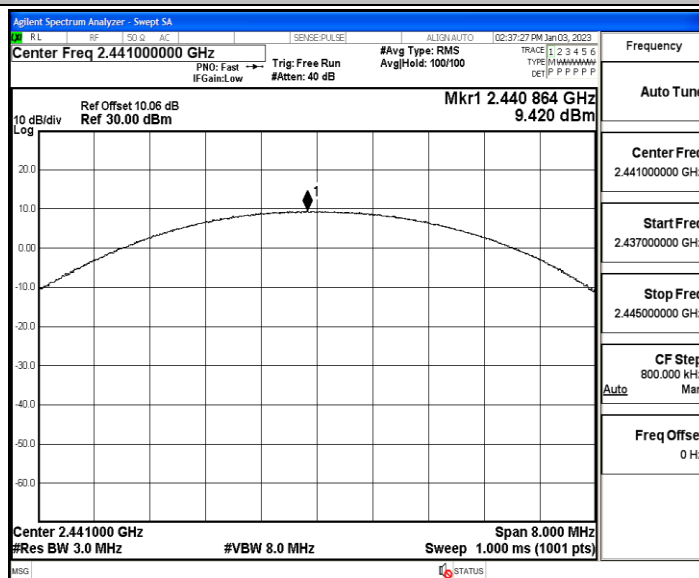
DH5_Ant1_2480



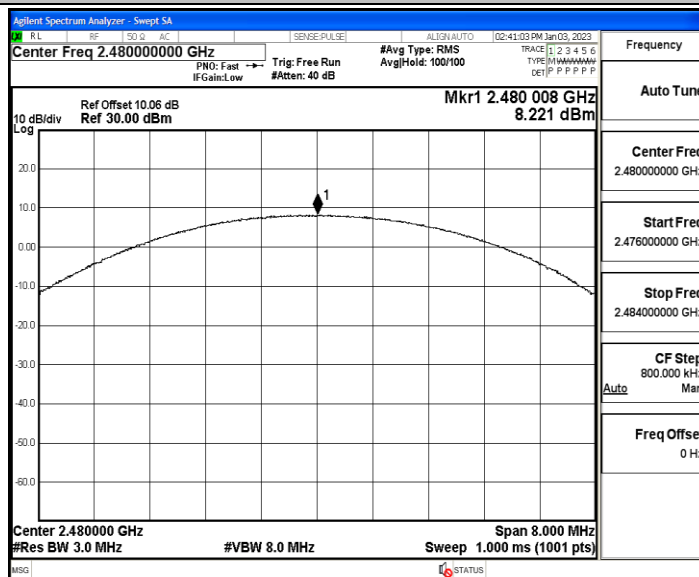
2DH5_Ant1_2402



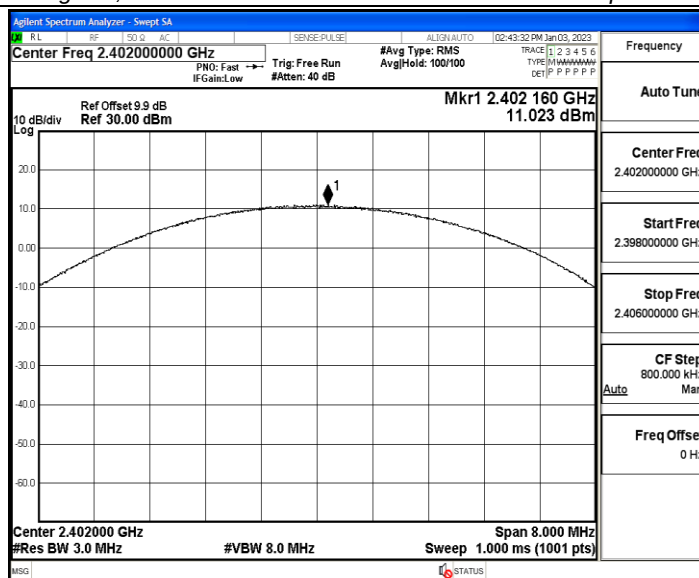
2DH5_Ant1_2441



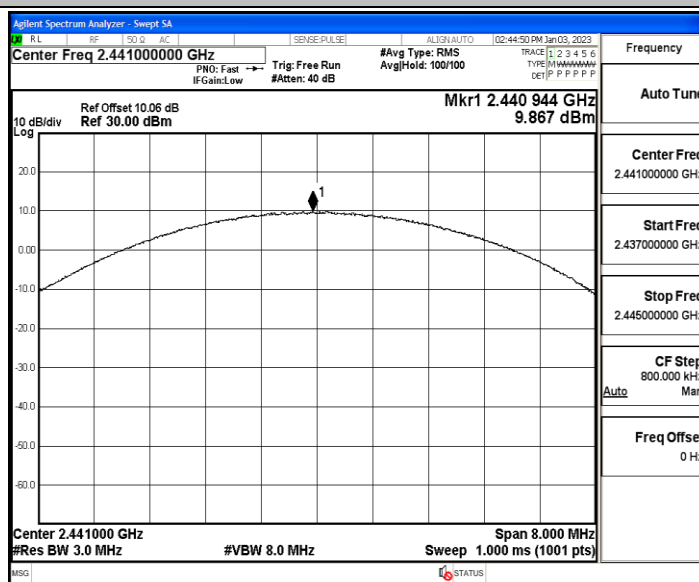
2DH5_Ant1_2480



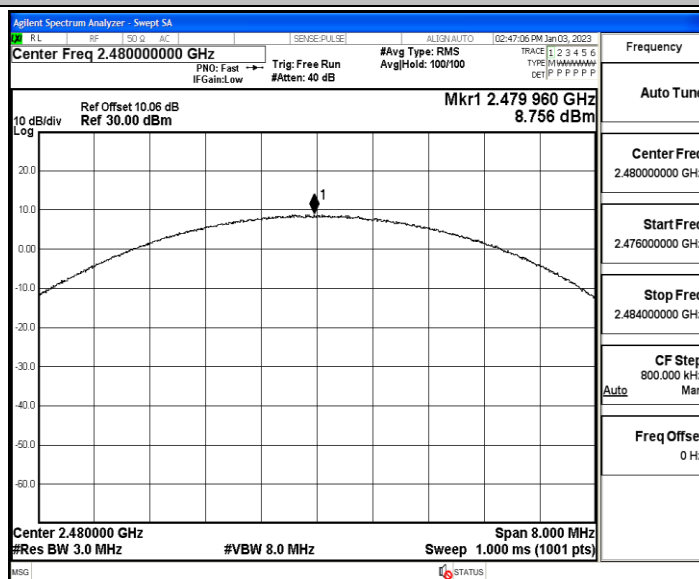
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

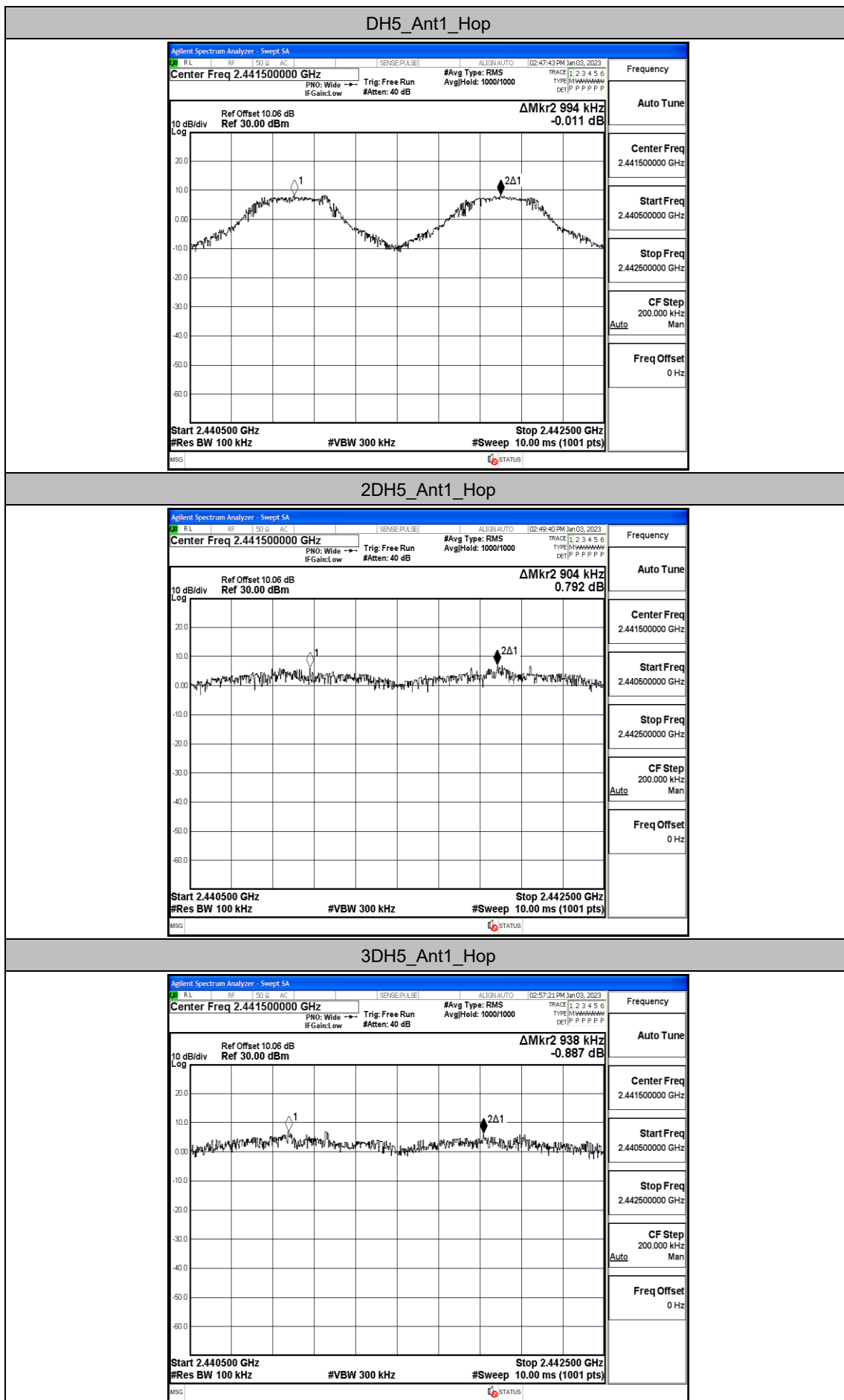


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥ 0.984	PASS
2DH5	Ant1	Hop	0.904	≥ 0.896	PASS
3DH5	Ant1	Hop	0.938	≥ 0.908	PASS

Test Graphs

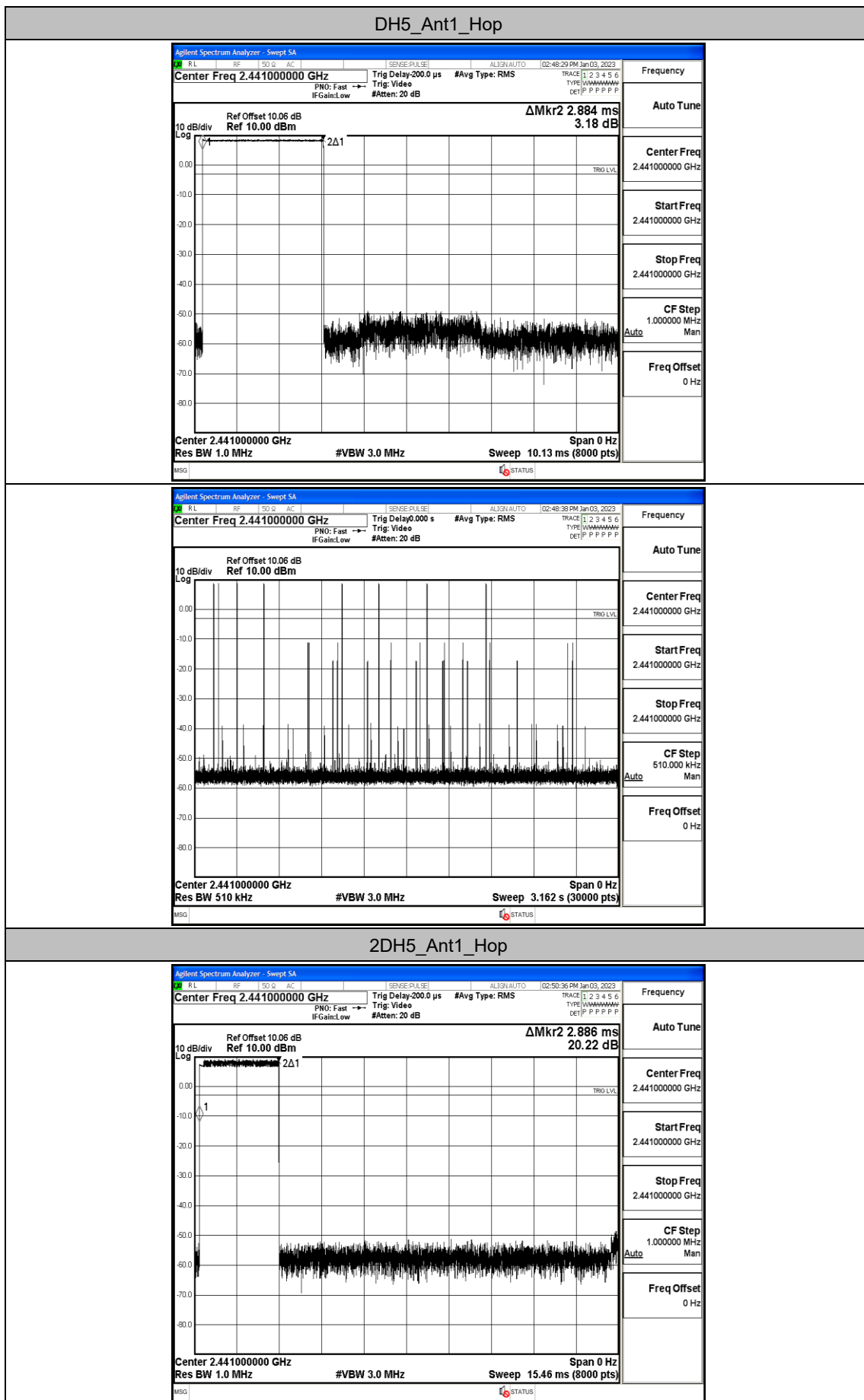


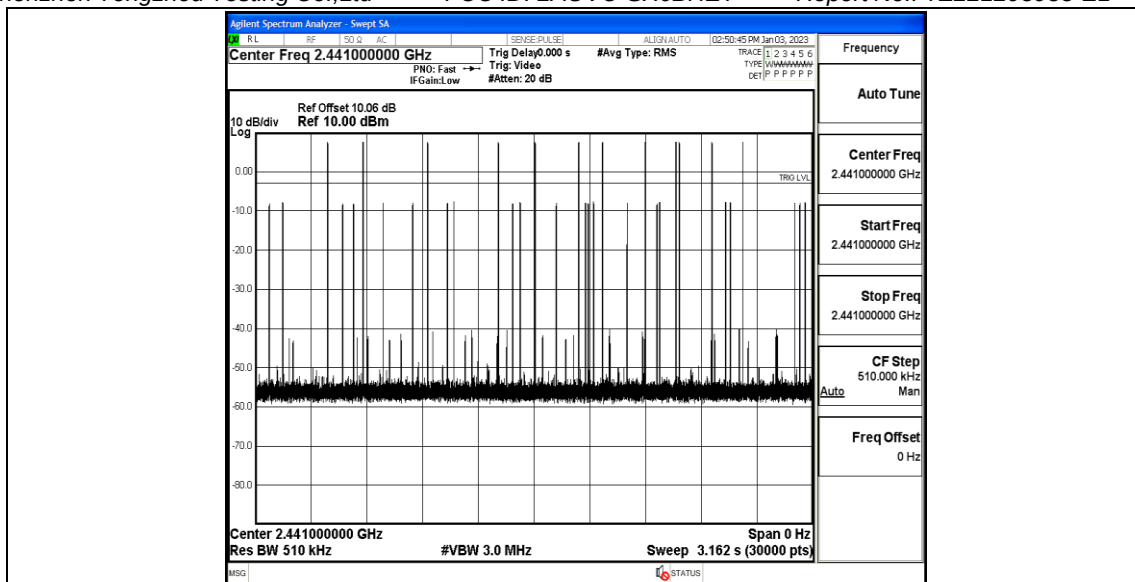
Appendix E: Time of occupancy

Test Result

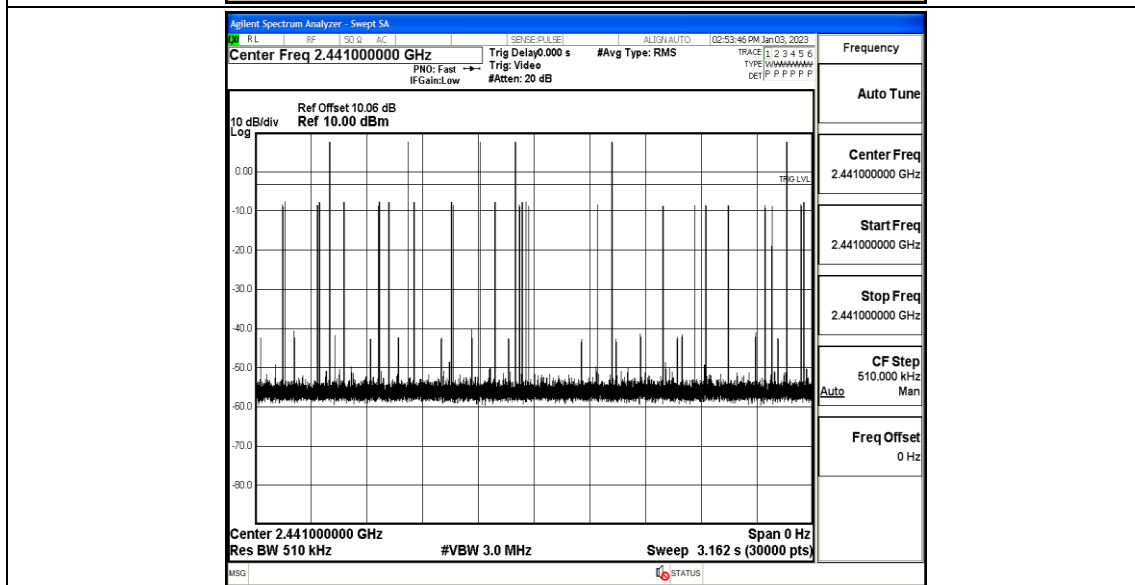
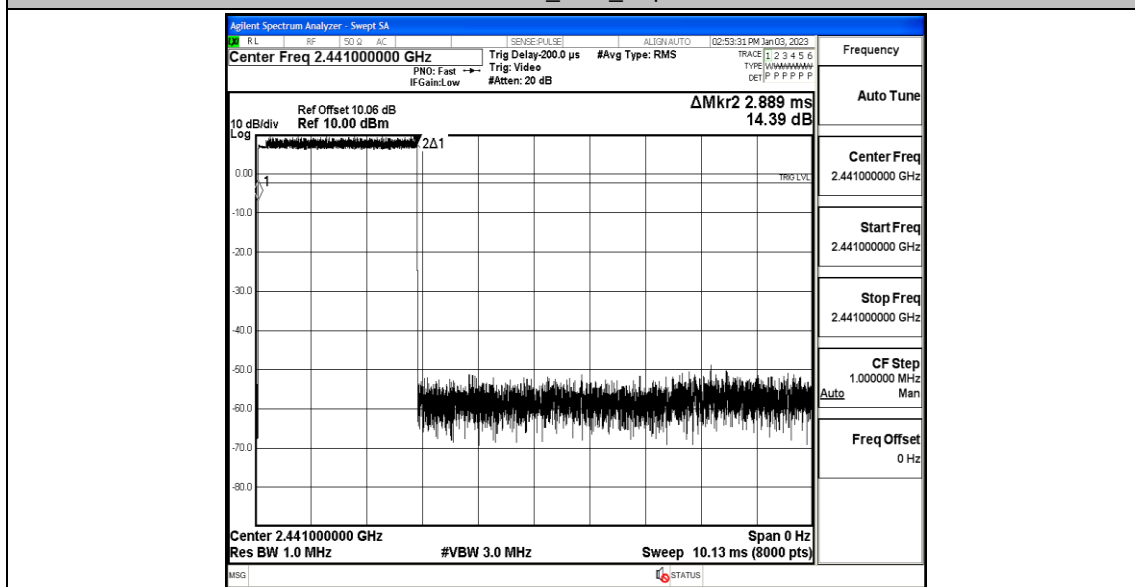
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.884	90	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.886	130	0.375	≤0.4	PASS
3DH5	Ant1	Hop	2.889	70	0.202	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

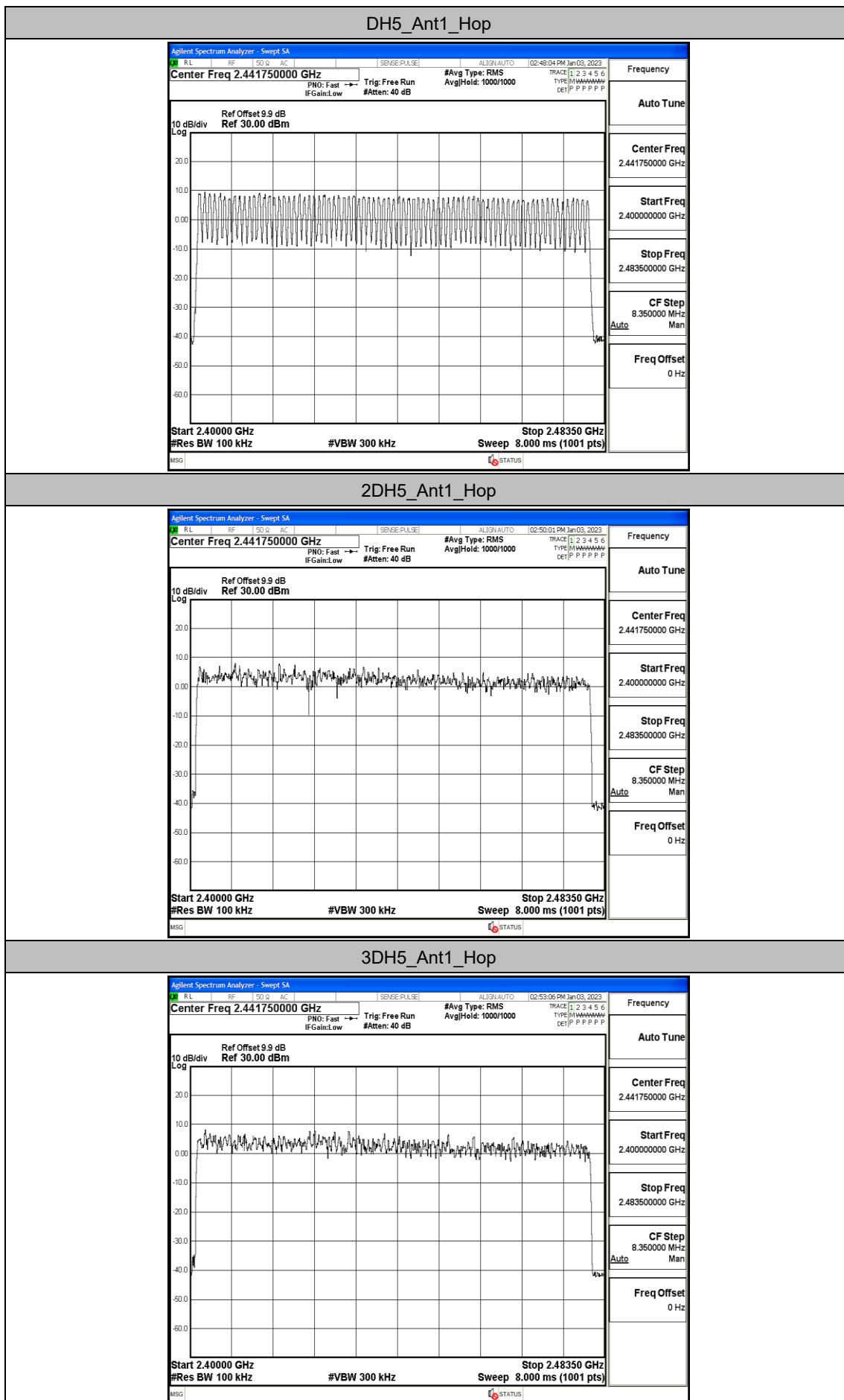


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



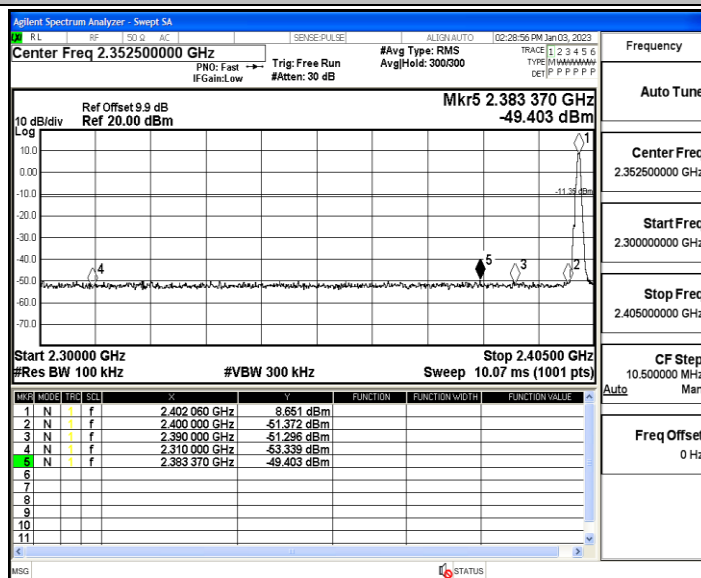
Appendix G: Band edge measurements

Test Result

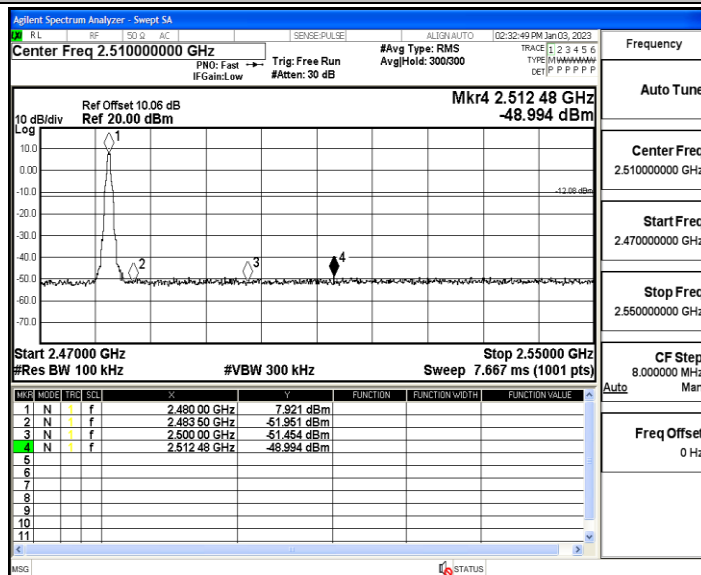
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	8.65	-49.4	≤ -11.35	PASS
		High	2480	7.92	-48.99	≤ -12.08	PASS
		Low	Hop_2402	8.52	-49.97	≤ -11.48	PASS
		High	Hop_2480	7.21	-48.25	≤ -12.79	PASS
2DH5	Ant1	Low	2402	8.42	-48.46	≤ -11.58	PASS
		High	2480	6.10	-47.91	≤ -13.9	PASS
		Low	Hop_2402	5.89	-49.9	≤ -14.11	PASS
		High	Hop_2480	5.03	-48.72	≤ -14.97	PASS
3DH5	Ant1	Low	2402	8.24	-49.19	≤ -11.76	PASS
		High	2480	6.06	-48.8	≤ -13.94	PASS
		Low	Hop_2402	6.56	-49.91	≤ -13.44	PASS
		High	Hop_2480	5.66	-47.83	≤ -14.35	PASS

Test Graphs

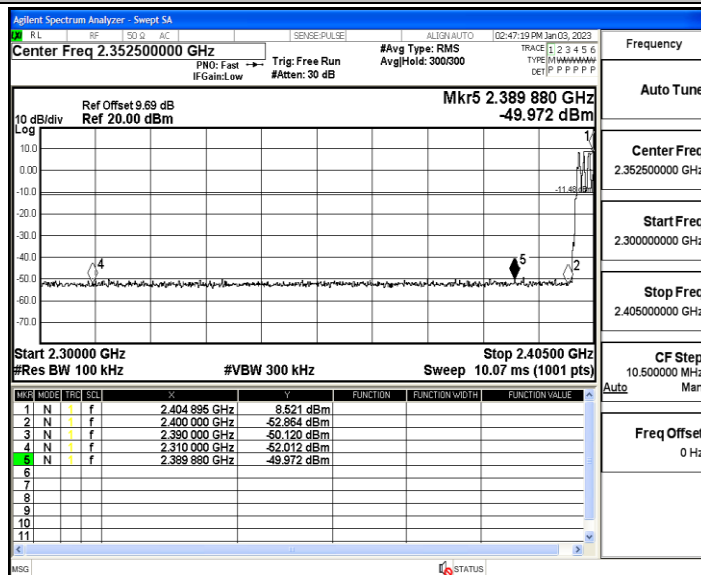
DH5_Ant1_Low_2402



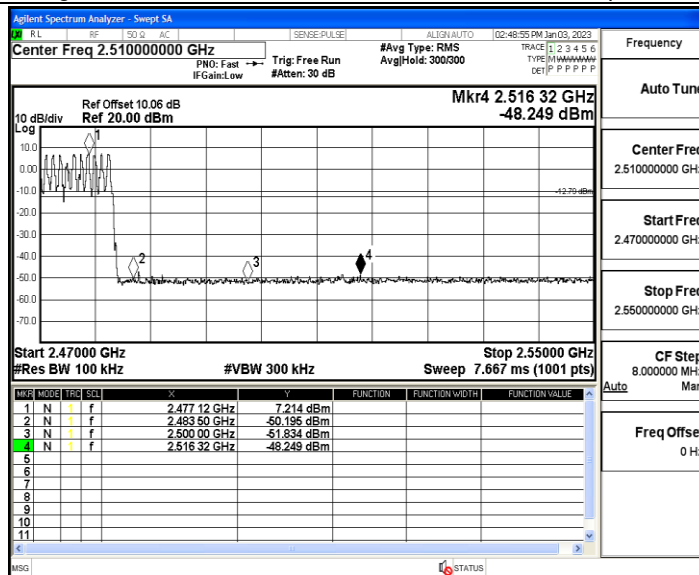
DH5_Ant1_High_2480



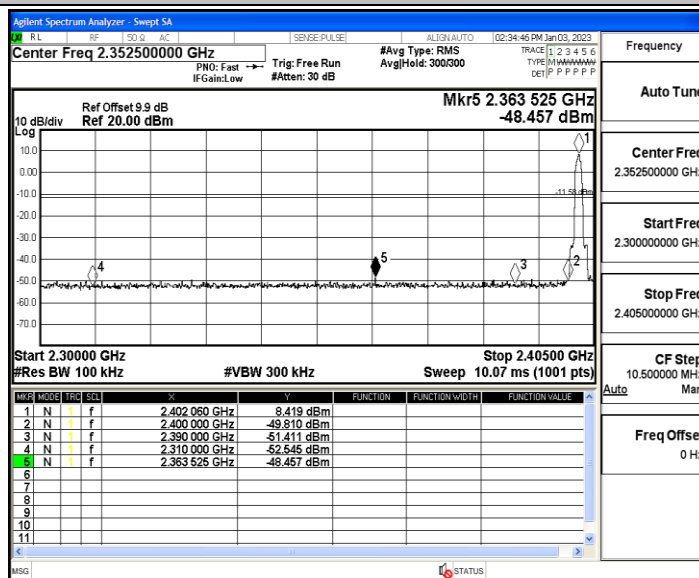
DH5_Ant1_Low_Hop_2402



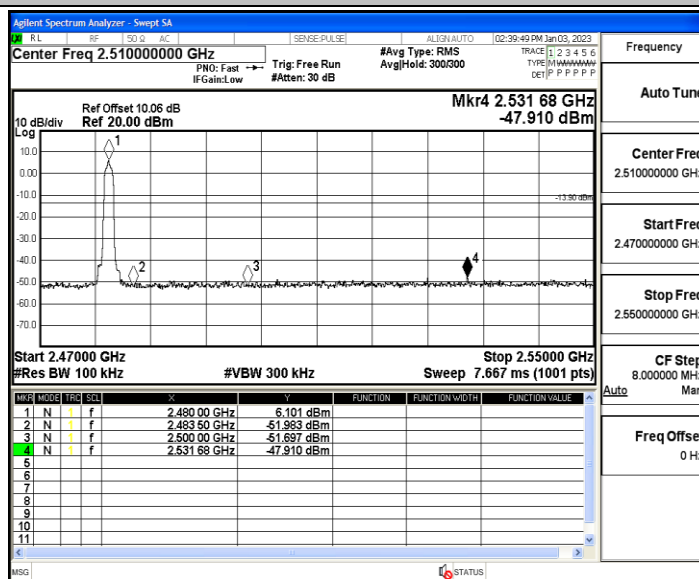
DH5_Ant1_High_Hop_2480



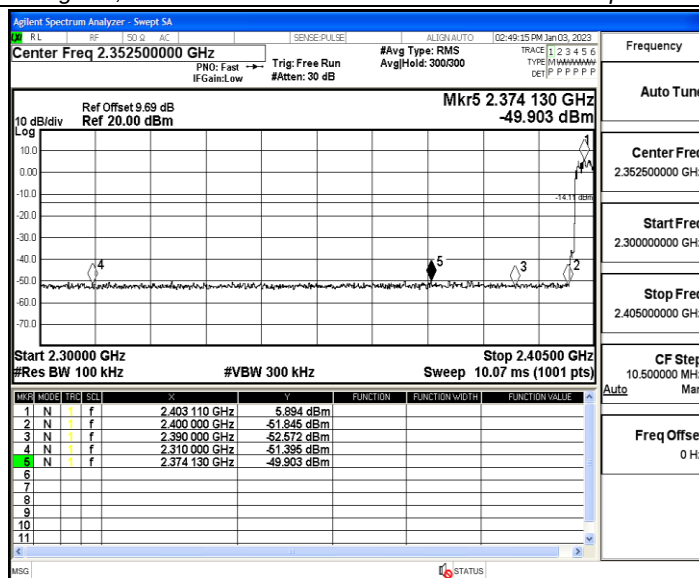
2DH5_Ant1_Low_2402



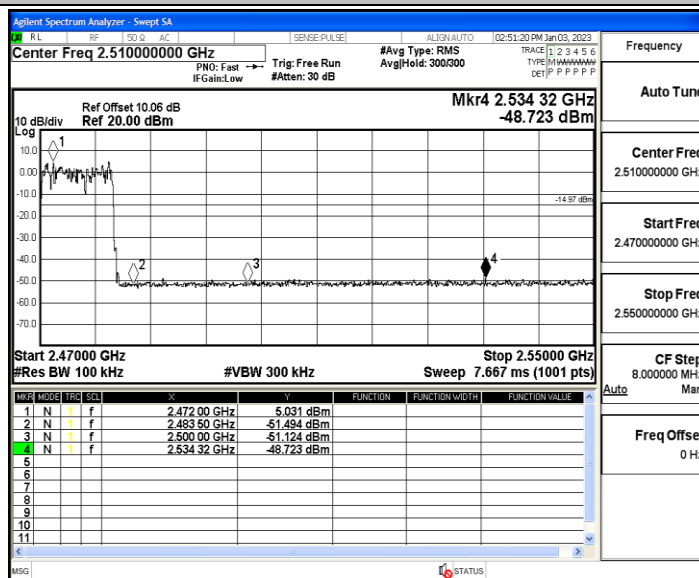
2DH5_Ant1_High_2480



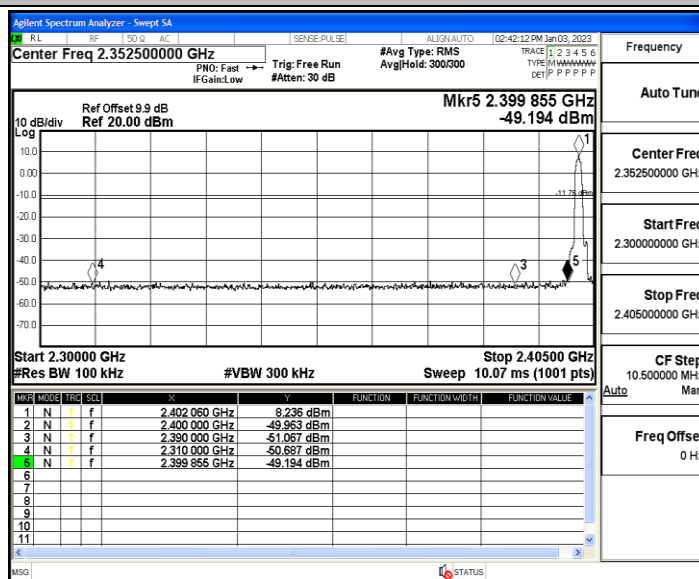
2DH5_Ant1_Low_Hop_2402



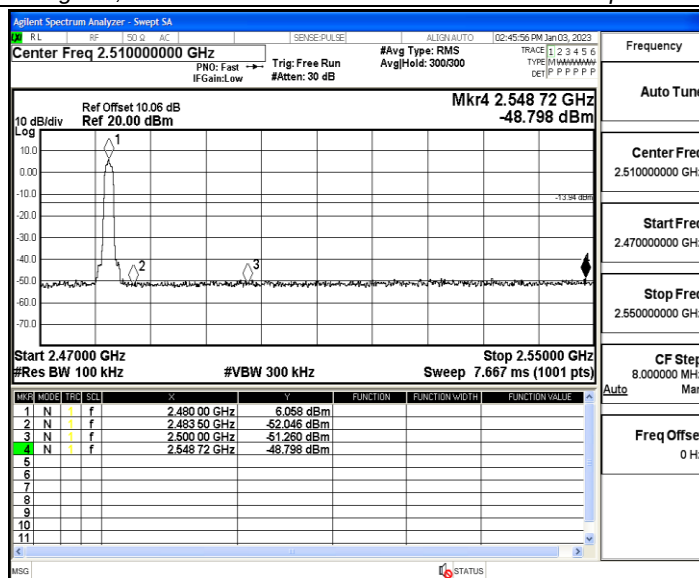
2DH5_Ant1_High_Hop_2480



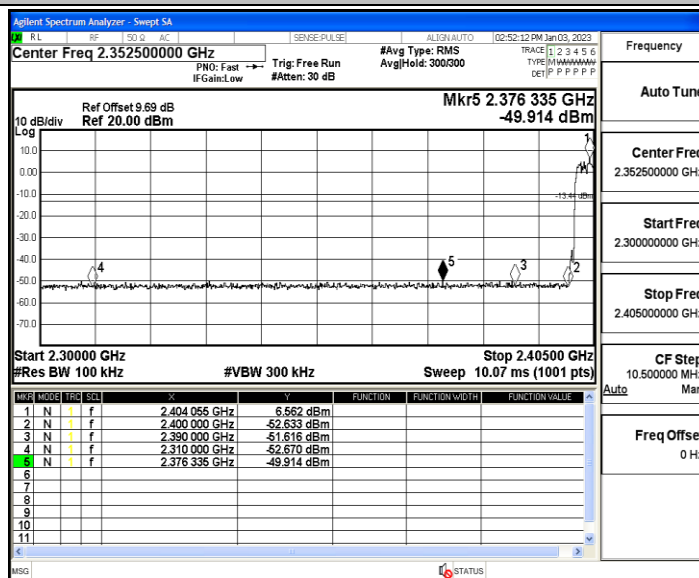
3DH5_Ant1_Low_2402



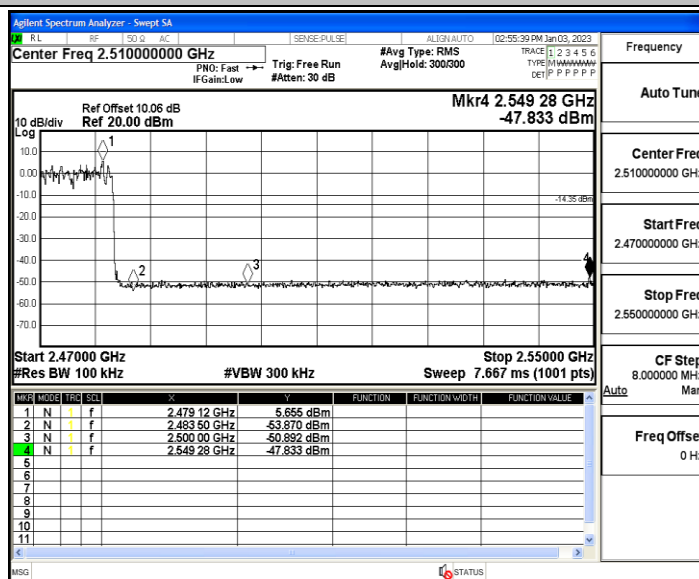
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

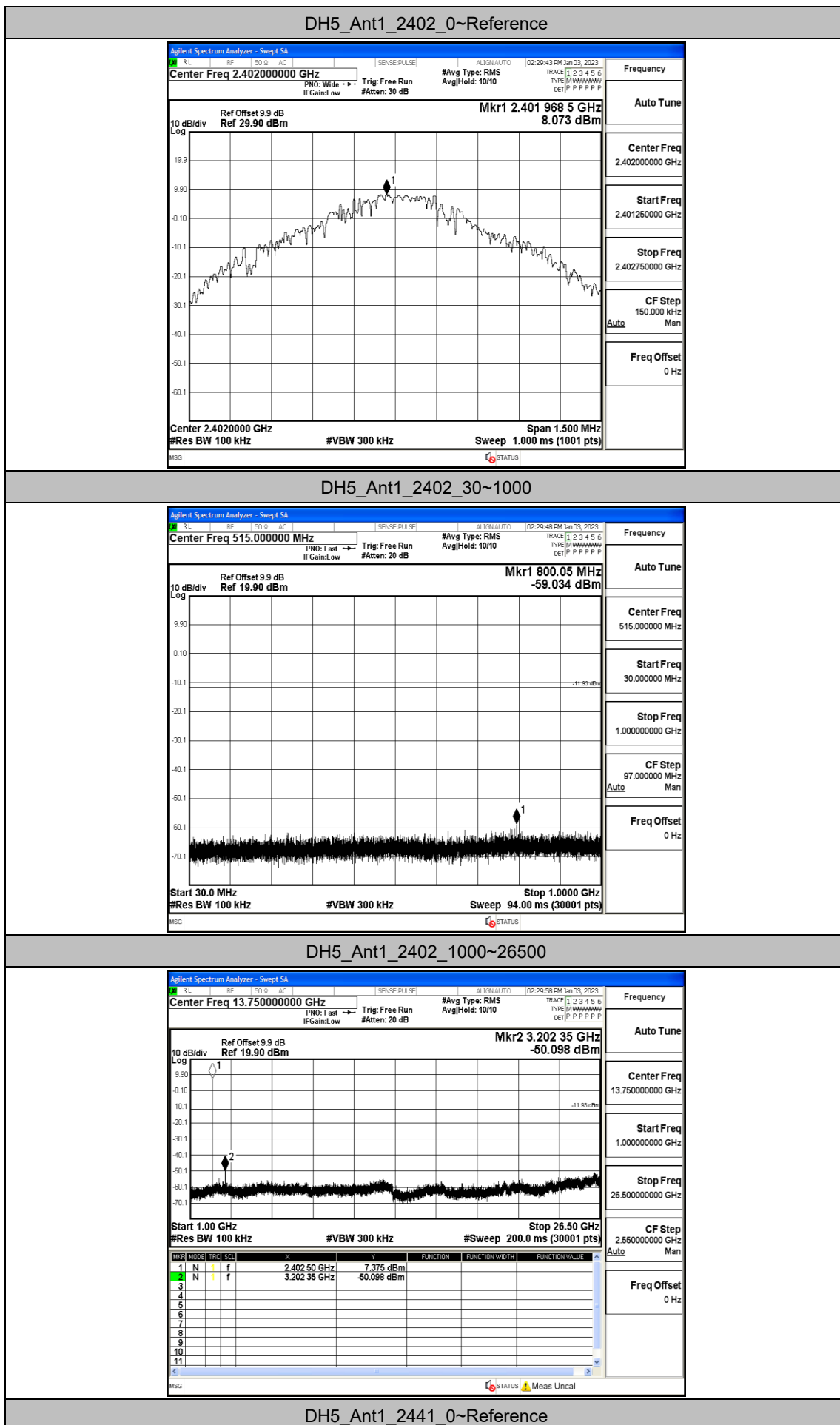


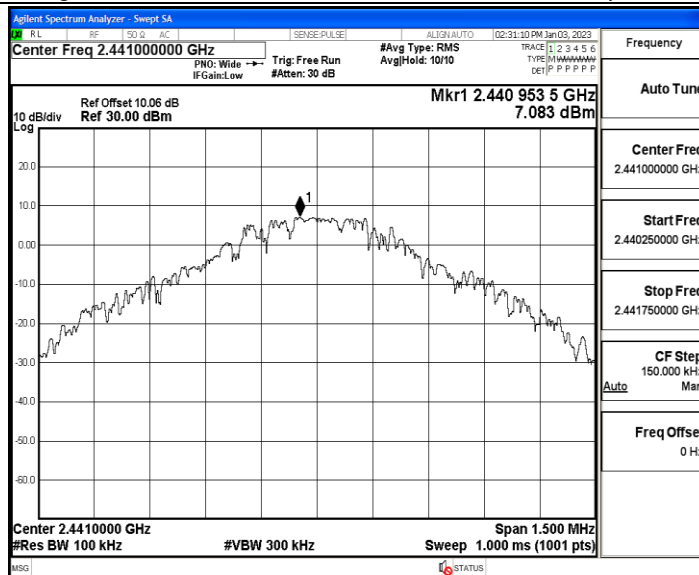
Appendix H: Conducted Spurious Emission

Test Result

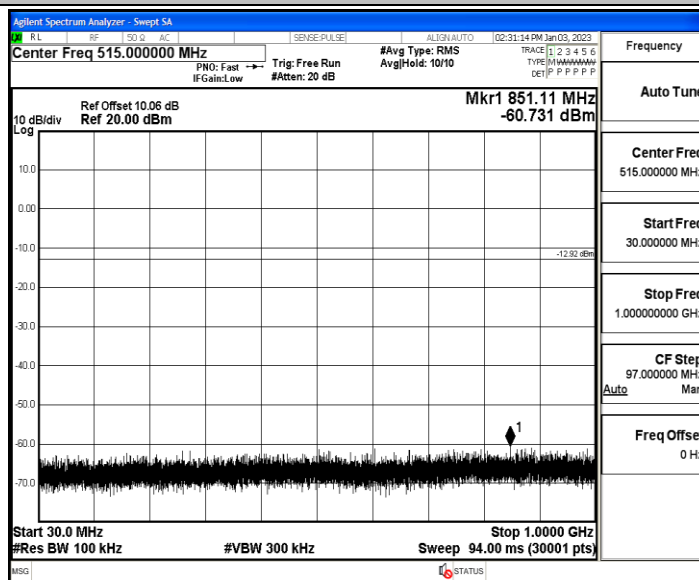
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	8.07	8.07	---	PASS
			30~1000	8.07	-59.03	≤-11.93	PASS
			1000~26500	8.07	-50.1	≤-11.93	PASS
		2441	Reference	7.08	7.08	---	PASS
			30~1000	7.08	-60.73	≤-12.92	PASS
			1000~26500	7.08	-50.57	≤-12.92	PASS
		2480	Reference	6.82	6.82	---	PASS
			30~1000	6.82	-60.31	≤-13.18	PASS
			1000~26500	6.82	-50.2	≤-13.18	PASS
2DH5	Ant1	2402	Reference	6.78	6.78	---	PASS
			30~1000	6.78	-60.89	≤-13.22	PASS
			1000~26500	6.78	-48.57	≤-13.22	PASS
		2441	Reference	5.31	5.31	---	PASS
			30~1000	5.31	-60.59	≤-14.69	PASS
			1000~26500	5.31	-49.99	≤-14.69	PASS
		2480	Reference	5.02	5.02	---	PASS
			30~1000	5.02	-60.54	≤-14.98	PASS
			1000~26500	5.02	-50.51	≤-14.98	PASS
3DH5	Ant1	2402	Reference	5.94	5.94	---	PASS
			30~1000	5.94	-60.84	≤-14.06	PASS
			1000~26500	5.94	-48.28	≤-14.06	PASS
		2441	Reference	6.05	6.05	---	PASS
			30~1000	6.05	-60.52	≤-13.95	PASS
			1000~26500	6.05	-48.25	≤-13.95	PASS
		2480	Reference	3.83	3.83	---	PASS
			30~1000	3.83	-60.54	≤-16.17	PASS
			1000~26500	3.83	-50.18	≤-16.17	PASS

Test Graphs

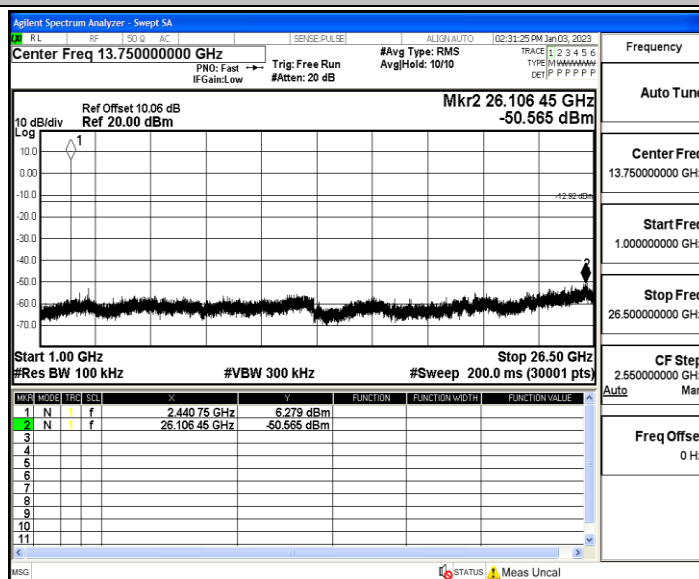




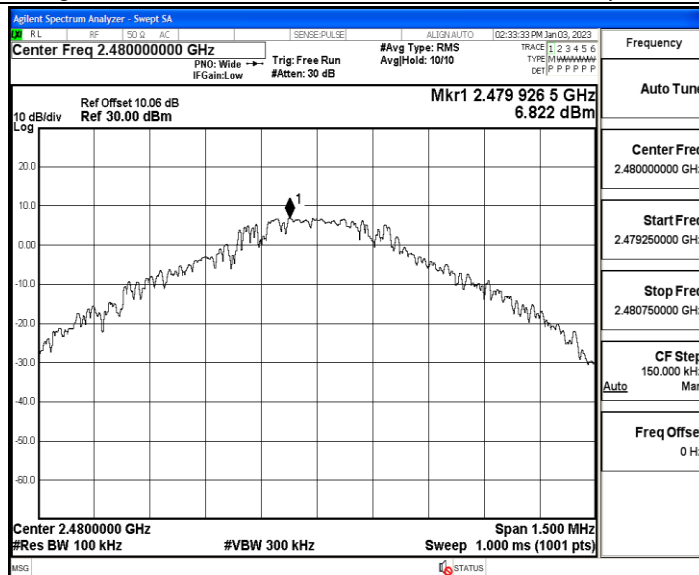
DH5_Ant1_2441_30~1000



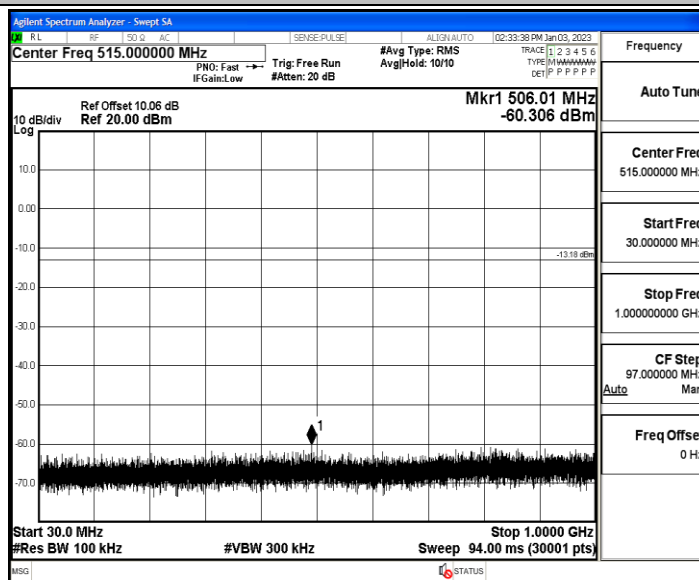
DH5_Ant1_2441_1000~26500



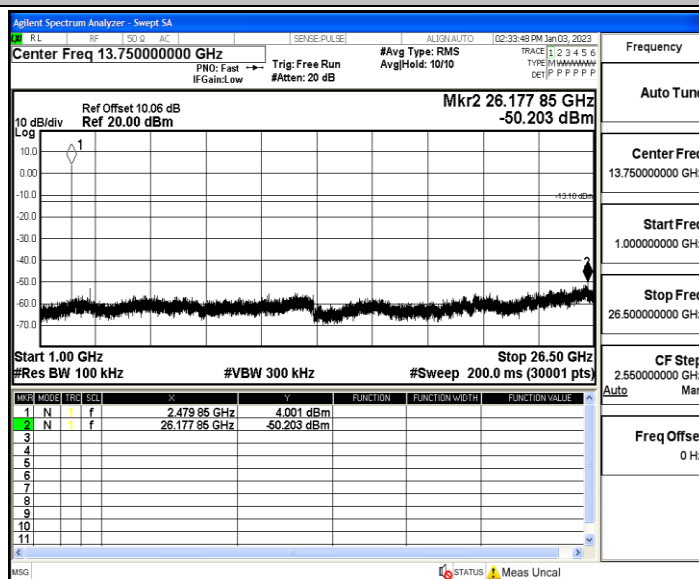
DH5_Ant1_2480_0~Reference



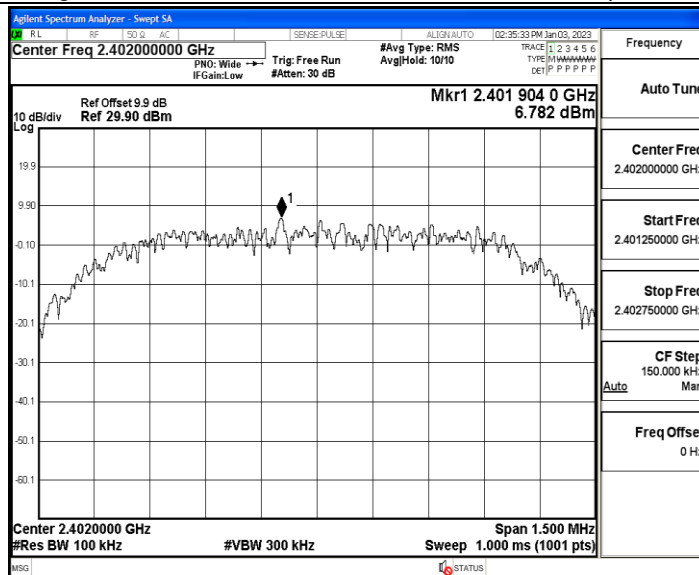
DH5_Ant1_2480_30~1000



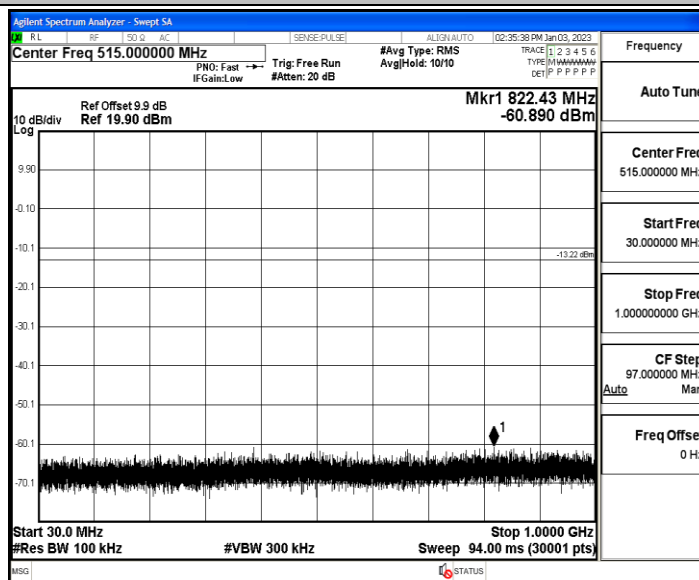
DH5_Ant1_2480_1000~26500



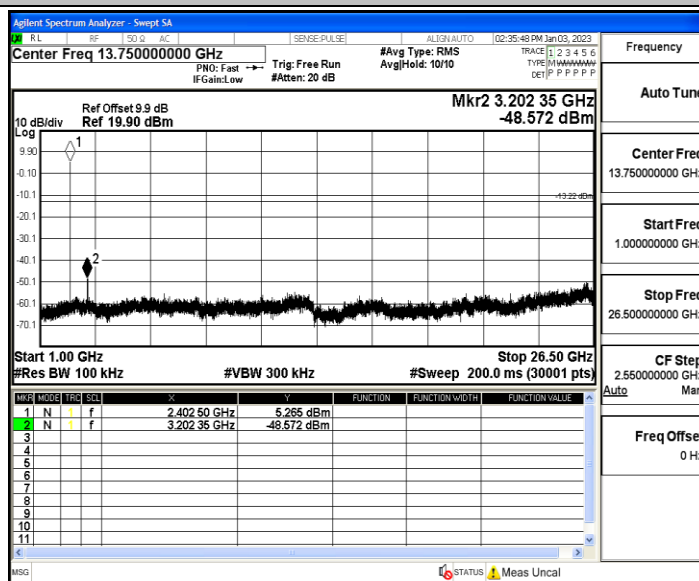
2DH5_Ant1_2402_0~Reference



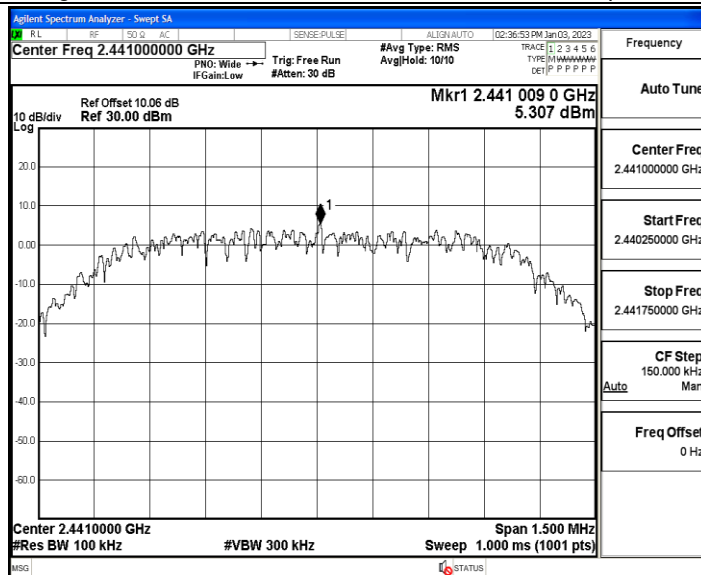
2DH5_Ant1_2402_30~1000



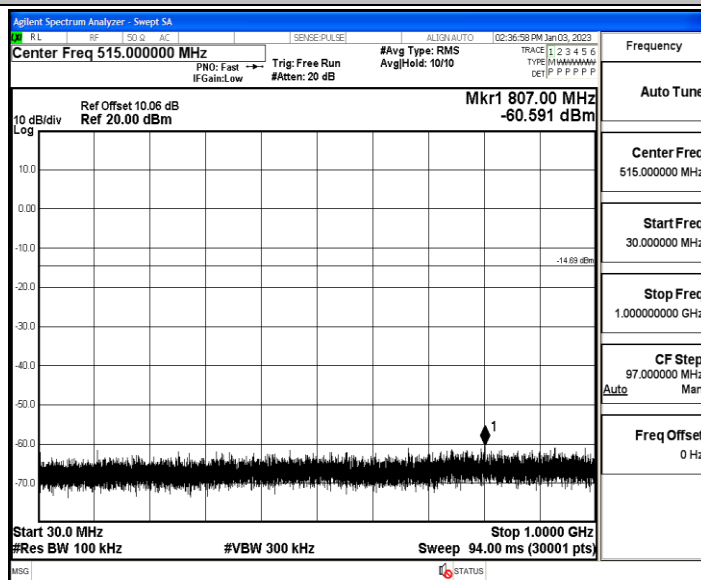
2DH5_Ant1_2402_1000~26500



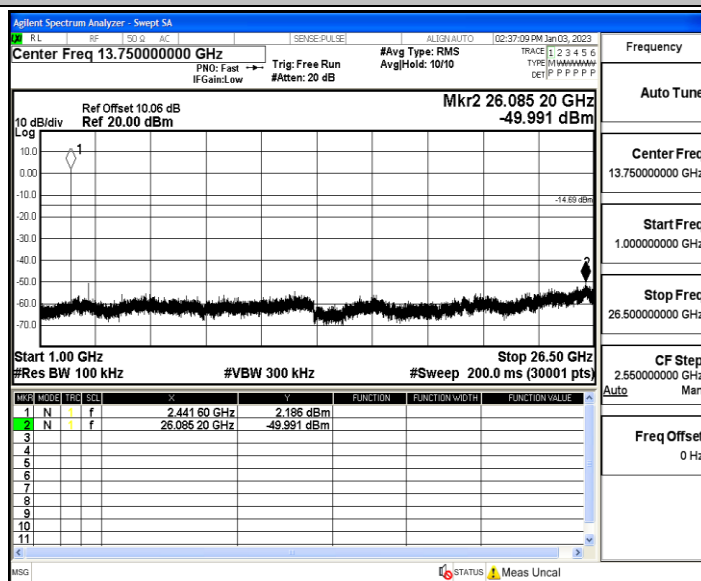
2DH5_Ant1_2441_0~Reference



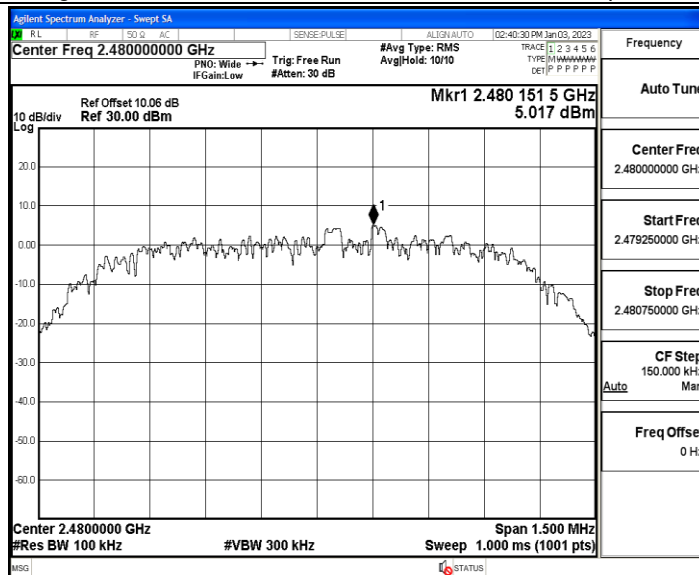
2DH5_Ant1_2441_30~1000



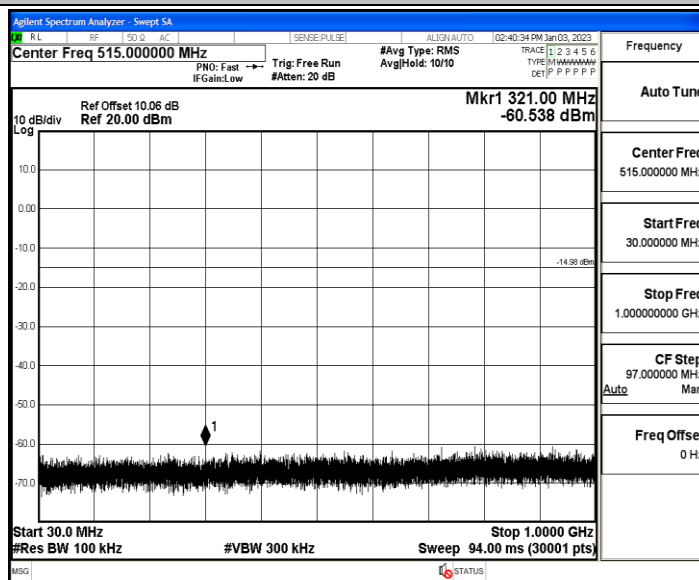
2DH5_Ant1_2441_1000~26500



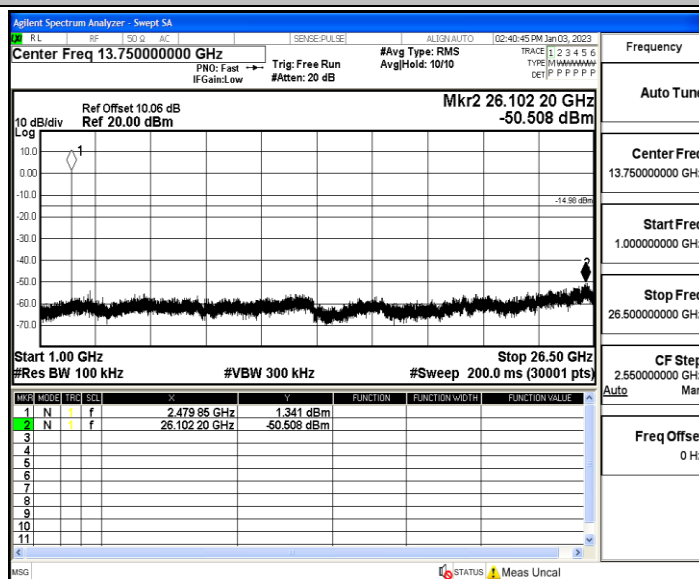
2DH5_Ant1_2480_0~Reference



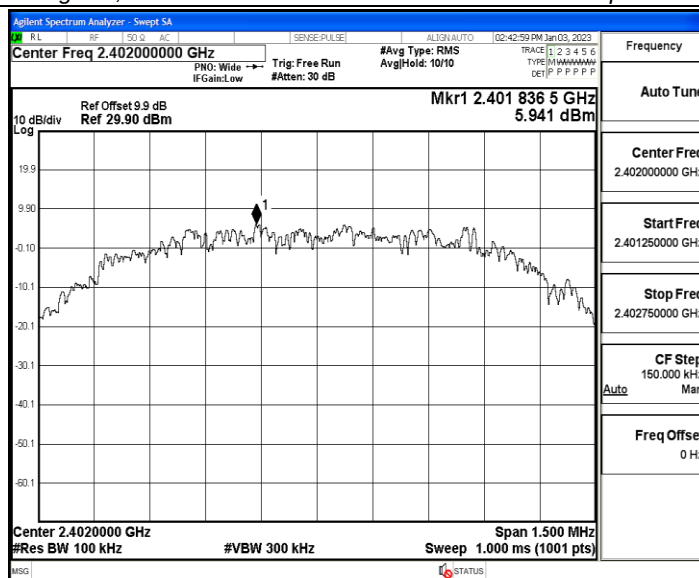
2DH5_Ant1_2480_30~1000



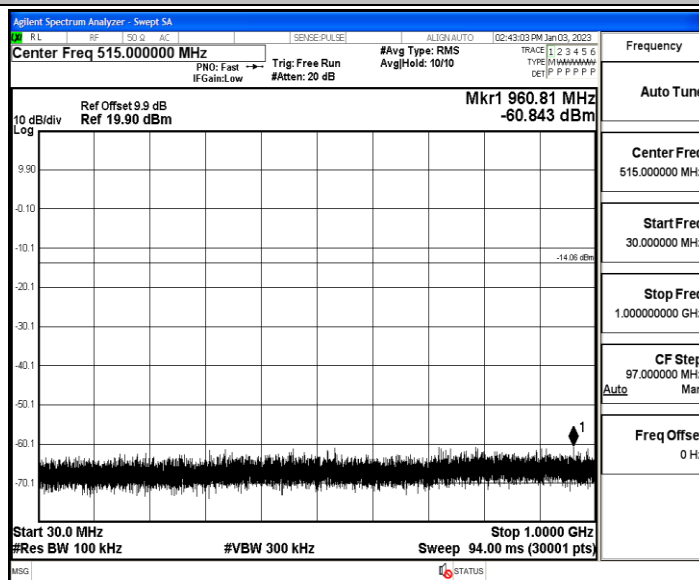
2DH5_Ant1_2480_1000~26500



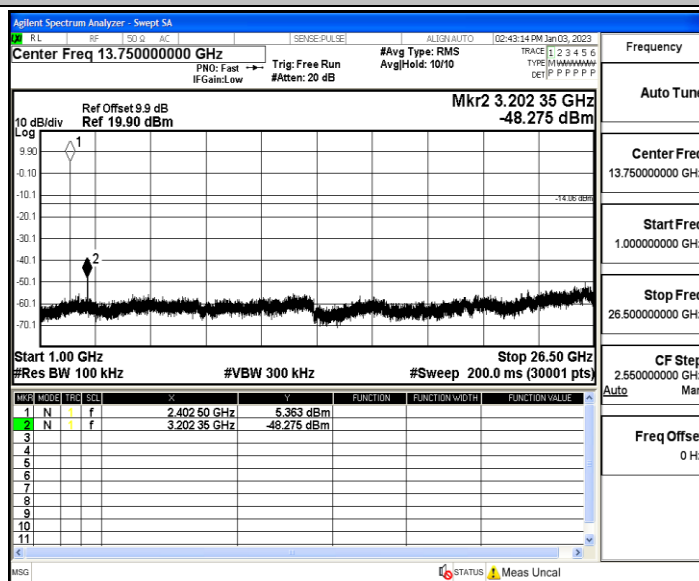
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference